

Converting Colors

XYZ(20.3048, 21.9426, 7.2601)

Have a look what the booklet for
XYZ(20.3048, 21.9426, 7.2601)
contains.

XYZ(20.3167, 22.0360, 7.3202)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.3167, 22.0360,
7.3202)**

Conversions

Conversions Part 1

Format	Color
Hex	91813B
RGB	145, 129, 59
RGB Percent	57%, 51%, 23%
CMY	0.4314, 0.4941, 0.7686
CMYK	0.00, 0.11, 0.59, 0.43
HSL	49°, 42%, 40%
HSV	49°, 59%, 57%
XYZ	20.3167, 22.0360, 7.3202
YIQ	125.8040, 32.0060, -18.3780

Conversions

Conversions Part 2

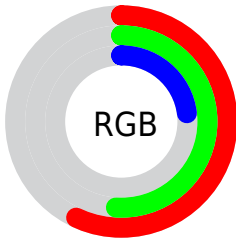
Format	Color
R_{YB}	79, 145, 59
Decimal	9535803
CIE Lab	54.07, -3.05, 39.48
CIE LCh	54, 39.596, 94.415
Yxy	22.0360, 0.4090, 0.4436
Android (android.graphics.Color)	4287725883 (0xFF91813B)
YUV	125.8040, -32.9344, 16.8349
Hunter-Lab	46.9425, -4.8947, 23.6141

Details

The XYZ color **20.3167, 22.0360, 7.3202** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **9.4304, 8.0060, 27.8362**, and the grayscale version is **19.8658, 20.9003, 22.7604**.

A 20% lighter version of the original color is **43.5757, 46.9775, 21.2389**, and **7.3261, 8.0302, 1.3936** is the 20% darker color. If you saturate the color by 10%, you get **19.6413, 21.2057, 5.4905**, and if you desaturate by 10%, it is **21.1071, 22.9290, 9.7042**.

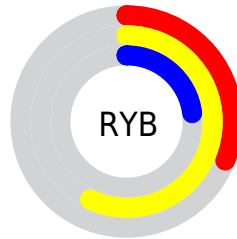
Distribution



Red (57%)

Green (51%)

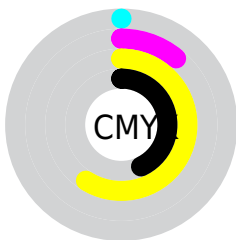
Blue (23%)



Red (31%)

Yellow (57%)

Blue (23%)

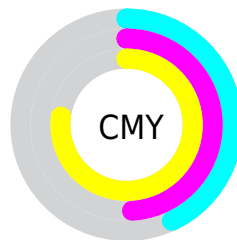


Cyan (0%)

Magenta (11%)

Yellow (59%)

Black (43%)



Cyan (43%)

Magenta (49%)

Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3167, 22.0360, 7.3202 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 20.3167, 22.0360, 7.3202 by changing the saturation by 10% instead.

■ 20.3167, 22.0360,
7.3202

■ 20.3167, 22.0360,
7.3202

246.4255,
262.7342, 180.0291

■ 12.7351, 13.8834,
3.5817

■ 43.4474, 46.8055,
21.1383

■ 7.3221, 8.0396,
1.3988

■ 59.7272, 64.1911,
32.0549

■ 3.7125, 4.1203,
0.1408

■ 79.6371, 85.4232,
46.2013

■ 1.5408, 1.7411,
0.0000

■ 103.5425,
110.8861, 63.9961

■ 0.3533, 0.4500,
0.0000

■ 131.8086,
140.9643, 85.8577

■ 0.0000, 0.0000,
0.0000

■ 164.8009,

176.0421, 112.2047

202.8848,
216.5040, 143.4556

■ 20.3167, 22.0360,
7.3202

■ 20.3167, 22.0360,
7.3202

■ 19.6413, 21.2057,
5.4905

■ 21.1071, 22.9290,
9.7042

■ 19.0702, 20.4312,
4.1669

■ 22.0187, 23.8847,
12.6826

■ 18.5936, 19.7092,
3.2952

■ 23.0594, 24.9073,
16.2934

■ 18.1864, 19.0297,
2.7433

■ 24.2357, 25.9995,
20.5711

■ 18.1589, 18.9835,
2.7071

■ 25.5537, 27.1639,
25.5477

■ 27.0192, 28.4028,
31.2529

■ 28.6377, 29.7185,
37.7150

■ 30.4141, 31.1132,
44.9606

■ 32.3534, 32.5889,
53.0150

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



24.7073, 22.0360, 8.3847



20.3167, 22.0360, 7.3202



16.6250, 22.0360, 9.3185

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



20.3167, 22.0360, 7.3202



14.8570, 22.0360, 39.9510



29.2882, 22.0360, 35.6922

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



20.3167, 22.0360, 7.3202



9.4304, 8.0060, 27.8362

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



25.9542, 22.0360, 49.1943



20.3167, 22.0360, 7.3202



17.5846, 22.0360, 52.1845

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



20.3167, 22.0360, 7.3202



13.7578, 22.0360, 25.8561



21.5852, 22.0360, 56.0416



30.2787, 22.0360, 22.2225

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



20.3167, 22.0360, 7.3202



14.9338, 22.0360, 12.7165



21.5852, 22.0360, 56.0416



28.3840, 22.0360, 40.5075

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



20.3172, 22.0370, 7.3206



43.6123, 46.7508, 37.6185



14.5526, 9.6724, 7.9742



9.5720, 10.2823, 7.8871



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20.3172, 22.0370, 7.3206



34.8310, 37.5260, 8.9872



18.5501, 24.5026, 7.8897



5.7555, 6.1172, 5.7668



15.5931, 16.3178, 2.3278



0.1633, 0.1845, 0.0270

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



9.4304, 8.0060, 27.8362



13.5558, 10.1507, 49.2184



10.4031, 7.0944, 27.6090



5.2057, 5.4073, 6.7981



4.7343, 2.4547, 23.2014



0.0574, 0.0477, 0.2259

Previews

White Background



This preview shows how the XYZ color 20.3167, 22.0360, 7.3202 looks on a white background.

Color Contrast Check

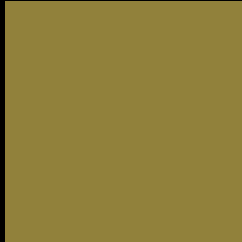
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 20.3167, 22.0360, 7.3202 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.3167, 22.0360, 7.3202

Background



This preview shows how black text looks on a background with the XYZ color 20.3167, 22.0360, 7.3202.



This preview shows how white text looks on a background with the XYZ color 20.3167, 22.0360,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

20.3167, 22.0360, 7.3202

Protanopia

20.2736, 22.2103, 7.3562

Deuteranopia

22.4225, 21.9764, 7.4750



Tritanopia

23.6966, 21.8927, 24.4495

Trichromacy



Original Color

20.3167, 22.0360, 7.3202

Protanomaly

20.2736, 22.2103, 7.3562

Deuteranomaly

21.6668, 21.9620, 7.3721

Tritanomaly

22.1519, 21.8248, 16.4097

Monochromacy



Original Color

20.3167, 22.0360, 7.3202

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

19.6605, 21.1246, 15.6116

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3167, 22.0360, 7.3202 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(145, 129, 59)` looks like.

```
.text, #text, p{  
    color:rgb(145, 129, 59)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(145, 129, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 129, 59) }
```

Border

The CSS property to change the border of an element to XYZ 20.3167, 22.0360, 7.3202 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(145, 129, 59) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(145, 129, 59) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(145, 129, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(145, 129, 59); -webkit-box-shadow:4px 4px 4px 4px rgb(145, 129, 59); box-shadow:4px 4px 4px 4px rgb(145, 129, 59) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3167, 22.0360, 7.3202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 129, 59) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(145,  
129, 59) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor